

### **Drawing Amendments**

The attached sheets of formal drawings include changes approved by the Examiner in the November 20, 2003 Office Action and are Replacement Drawings. The three sheets include Figs. 1, 2 and 3.

## REMARKS

Claims 6-8, 16-18, and 22-24 have been identified by the Office as allowable, but are objected to for depending from rejected claims. Claims 1-3, 5, 9-15, 19, and 21 have been rejected. Claims 1 and 19 have been canceled. Claims 25-26 have been added. Claims 2, 3, 5-18, and 21-26 are pending in the present application.

A new formal drawing replacing FIG. 1 is being provided as requested.

Claims 6 and 22, identified by the Office as having allowable subject matter, have been amended to be independent claims that include the elements of their base claim(s). Claims 1 and 19 have been canceled without prejudice or disclaimer. Claims depending from original claims 1 and 19 have been amended to depend from one of allowable claims 6 and 22. Claims 11-15 have been amended to provide proper antecedent basis by replacing the term “device” with “detector”. Based on the amendments herein, withdrawal of the rejections and objections to claims 2-3, 5-18, and 21-24 is requested.

Original claim 13 has been rewritten as claim 25, and includes proper antecedent support as discussed previously. Original claim 13 was rejected by the Office under 35 U.S.C. § 102(e) as being anticipated by Halling. The Office states that Halling discloses detecting the ion beam at a second location with a second detector where the second detector is moveable and sited along the beam path to the target position. The Applicants respectfully disagree. Halling does not disclose a movable detector, nor does Halling disclose a detector sited along the beam path to the target position as recited. Because each element of claim 25 is not disclosed, the rejection of original claim 13, now claim 25, should be withdrawn, or the final status of the present action removed and a new grounds of rejection made.

Original claim 15 has been rewritten as claim 26, and includes proper antecedent support as discussed previously. Original claim 15 was rejected by the Office under 35 U.S.C. § 102(e) as being anticipated by Halling. The Office states that Halling discloses detecting the ion beam at a second location with a second detector where the second detector sited along the beam path to the target position. The Applicants respectfully disagree. Halling does not disclose a detector sited along the beam path to the target position as recited. Because each element of claim 26,

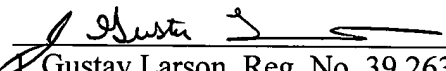
original claim 15, is not disclosed, the rejection of original claim 15, now claim 16, should be withdrawn, or the final status of the present action removed and a new grounds of rejection made.

No fees are believed to be due with this Response other than those listed on any accompanying fee transmittal. However, in the event it is determined any additional fees are due in association with this correspondence, please charge the Advanced Micro Devices, Inc. deposit account number 01-0365.

If, for any reason, the Office is unable to allow the Application on the next Office Action, and believes a telephone interview would be helpful, the Examiner is respectfully requested to contact the undersigned attorney or agent.

Respectfully submitted,

1-20-07  
Date

  
J. Gustav Larson, Reg. No. 39,263  
TOLER, LARSON & ABEL, L.L.P.  
P.O. Box 29567  
Austin, Texas 78755-9567  
(512) 327-5515 (phone)  
(512) 327-5452 (fax)